Times/Sinclair NorthAmerican User Groups

Timex/Sinclair NorthAmerican User Groups Newsletter

FROM OUT OF 'THE ASHES' RISES

MONORY MAJ ROUTINGS ADDRESS Contributors to this Issue T/SNOT Rectings NEWS TYPES IDDARY CARRETTE LING/SAVE Problems Solved - PMRT 1 8

Here is the list of 1990 7/200G Chairmen and how to confact them. We wish to support the folio-dept SIGSI 2003/EASI, 284, PRINTENSE/POS/POS/POS 606 (I. T. You have position shoet any of these fire smoothes content the Caliman. POSITION NOWE POSE PRINCEN YUNCION Chairmen Don Leasest 215-425-1372 Chief Sections

Vice-Chairman Al Yese 166-911-6695 CHIMINAN VICE-Chairman Al Yese 176-911-6695 CHIMINAN VICE-Chairman Bill Barrer (33-722-7187 TW Bellinch/MNNO/RES) VICE-Chairman V

Adume I, Sumber 2 2 1

Auburn Indiana

T/SNUG Information

Exis Clive Alive! (pronounced for Clive Alive!) is the resulting of 7/28VG, the resulting of 7/28VG, the resulting final Nethodecidal New York, from 1s and a user group but yother all the user groups, New 1sh to

user groups. No make a user groups by hot rather all the user groups. No make to represent all of the most American TIMEX/Sicolair user groups by providing news about all that is going on in the T/S commenty in at least four newsletters a year.

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commentty in at least four
newletters a year.

It is our goal to either build
a Public Domain activace
ilterary or develops a list of
available mortware for all T/S

machines showing the source, we shall tay to keep vendern slive by offering free space in this semilater. Verobers stall this semilates free as the table space of the semilates free as the table space of the free foot that freezo should specify on other takes, let us know your feelings.

fealings.

T/SHTG wishes to have one chairman from every 7/2 North American user group who will take charge of sending on your user groups newsletter and other correspondence.

If you desire to reprist any articles that appear here, please provide credit to the arthor and this newalecter. Auticles appearing in this newalecter can be obtained by downloading this newalecter from our MEST. We encourage your user group to copy this

neweletter and distribute it at your regular meetings to all of your members.

For an axenal contribution of 512.00 for individuals or 513.00 for ones groups, you can

For an annual contribution of 512.00 for individuals or 315.00 for individuals or 315.00 for over groups, you can keep T/ASEO alive: For now, eand your contribution to: DON LAMBERT ZER CLIM ASME! Newswise 1300 NEWSWISE P

AUBURN IN SETCE

EXir QLive Alivel Article Contributions

If you would like to cretainte en article to the newsletter, opload a file to our file called THEFE. AT I we have an AD THEFE AND THE ADDITION OF THE CALLED THE CALLED STATE CALLED TESTING. THE CALLED STATE CALLED TESTING.

If you seed help contact the STEED by mail, N-MAIL on the VISNOS REG, or by phone: BOS SMOORE 613 FAMESTEE CIMCLE STEENMENCOS II 60107-1647

It is preferred that you call: #705/837-7557 or #755/576-8068 If you can only contribute hard copy, tape or disk formet, mend

DON LAMBERT 200r Oliva Alval Newwinter 1301 KORLINGER PL AUSLINN IN 46706 Tele; 219-925-1372

It is not necessary to call before sending articles. CONTRIBUTORS TO THIS ISSUE

Topy Farrall
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Editori
Tob Decque, KNNY
Tim Ward
Tony Willing
INPUT/OUTPUT

SEWRITTER EXCEASES

A there been maked if we could

EXCEASE, neweletters with other

groups, Since 7/8833 is not a

group tex is rather supported

by all the groups, it can set

SOURCES sewhieters with

groups, Each supporting group

gray a copy of this numelation.

Keat might be better in this

mean would be to print the

would no longer have to bare the cost of newsletter suchanges. The group fee would op up a bit to cover the new load on T/8800 and the starting have to be co-ordinated. Let up AMOUT CHRECKSKE

One of our articles contains o statement from Al Peng towards roul Holmgen which may be thought of as a businessman coits a bit of CL software. We could censor that portion of the article but then, where do we stop organiship? If Paul feels put out, he should write a reputal to the observation.

the user groups although we have only heard from just & few. Therefore, the second

mailing shall be to all the known toer groups, all known neshers. The reed for T/SMMS to compile a list of available software in now evedenced by the request from Bod Gowen for a copy of CARTRIDGE DUCTOR for the QL. A.

corupted copy needs repair and no one at CATHE has it. If you no one at CATUS has it. If you can help need a copy to Red GOWERT AT 1965. MILE RIGH TO RETURN We have received a call from Anny Eradesky of TIMELIMES. He

The address for contact is: MILE HIGH C/O CORT CARSON

DESCRIPTION OF STREET

BALL PERMENER OVERWHOLMS UST aill Ferrabee of Hountaineer Software, who commally writes for COMMUTER MONTHEY, put down his pen and kindly run our iurge, Rill, you must really have faith in us' Words jest aren't enough, we really assectate it. We will do all

TASHUG MEETINGS

No time has been set but it is expected that it will be decided at the Fest. 19795, CATS, SMSS and CATUS will sil

Thirms are begoesing, and with tow I report that it looks good for T/SMUG. There are two items

1. WHEN ment in \$15.00 to number 7/9000 and also - pent a contribution of \$150.00 to help 7/580G with sostage and other expenses, then I opened at first I wan p. reled. Was it was, Once again our Canadian

VANCOUNTED STORTIATE DEEDS CHARF. 2. While my subscription once of Commuter Northly has not arrived yet, I have had two people send in their 512.00 each for a subscription to EXIT Glive Alive'. They both mentioned Computer Northly and

newaletter. Thank you, fill, is the start of several such

name. In the first issue we

We shail call ourselves 'Gser Groups' from now on, 7/5800 1s The DMA will be having

Saturday and Serday, Appront 24th and 25th, 1991, We telked

and found out that they are to group all the Sinclair groups together if we send our table requests to Gary, Here is a reprint from the SMSS

table, send your money by the

end of June. I hope we have a large contingent of Sinclaim Diers. Cary sald the used group/fles narket tables will the center of the hall, Off, here are the costs: If you choose to go, to all you who both with two draped tebles and after June 30. This also includes Friday night set up

in \$25. Also there will be a

different. For \$20, \$25 after June 30, you can get a 6' x 8' table space with one chair, You will have to purchase your own tickets, at 65 each, for both days, and if you want to set up becomet Friday night. This will cost \$13.50. Gary says they are looking for a name speaker. opening to the public at 10 am. SIZ HEINICK ST, NEW CARLIFLE OR

45344-2619, All tables have slectricity." So far CATS, CATSC, ISTSC, NESCOURS, SMESS and T/SSESS are planting on being there. Get your irguts to Gary Gamoer before June 35th for the best

SYSOP'S TWISTED PAIR

prices on tables.

Ogr 24 Hour 888 has crushed and when it will be back again is unknown. To accomplish any usions or DOMNICAD activity.

TREASURY NOTES There have been 5 deposite totaling \$392. There were 2 checks written for the first mailing for \$69.01. The balance as of 7/15/41 to 9322.59.

The current poid membership stando at 4 sucress and 15 It will speed up the mailing.

NEWS ITEMS DNA ComputerFeat '91. The dates are Seturday Assess 24. 10 AM - 6 PM and Danday Awquet

25, 10 AM - 5 PM. Tickets for both days are \$5 in advance and 56 at the door. The event is at Exhibition Center, 1001 Shiloh Springs Mb. Dayton, Ohio Contact Gary Games if you are 812 BEDWICK ST NEW CARLISLE ON 45324-2619

So the CATS, CATUS, 1870S,

MCSQLUG, SMSG and T/SMSG are planning on being there.

********* TIMEK/SINCLAIR The RLE Graphics Collection PUBLIC DOMAIN LIBRARY contains 72 SLE files countery AVAILABLE AS OF \$1 JUNE 1991 of Bill Ferrebee and QFLSDGS, Jack Dobary's QGL NIE file handler converted to 18005. CDEN/200 VEOCRAMS IN ALC. \$4.00 EACH, POSTRAID 1001 (#10001-10050) Send TS-1000 orders to: 5142-D Ginkgo Dr SW 1005 (#10211-10251) 1007 (#10294-10335) 1008 (#10336-10364) Send TS-2068 orders to: Tony William PO BOX 199 Largen disks (5.25* \$52000)

RRVIRWS 1007 (#100351-10084) Q6 SURVIVOR'S SOURCE BOOK 1008 (#10085-10315) 1009 (#10320-10346) 1010 (#10349-10373) and ask if T/SMEN wanted to be 1011 (#10374-10386) the publisher thereof, but I seid I dld not think so end he called Frank Dovis and he scorpted. I do not know the retica but a latter or call to Frank will get that. Frank's Topes (C-6t) 2002 (#20061-20082) TRANK DAVIS

513 E. Main Peru, IN 46970 2001 [#20001-20090] The BOOK consists of 24 pages 2004 (#20129-20171) GL DARGHARE SUPPLIERS: GL PUBLICATIONS (mw/or): GL SOFTWARE SUPPLIESS: and CL USER

STING SHAPRICS SUPPORT PACKAGE LARREN DISK DOCTOR/Chambers

THREADY

THE RIG CHAPTERS COLLECTION conversions and LOAD/SAVE a Ct. system. I would recommend

rather a money making venture of about 16 QC users.

The idea hebind this magnatime is to known North American unare airceast of when NOW QC PROCOUTS are convently being offered in histope, Products are named and also the numer, and the process of the process o

Protoured were auticles on CCLD.

CASC, CE REFIGENCE OF INTERPEASE,
ECHERGE EN STERNOR, COME HOUSE,
ECHERGES, D-1-7 TOOLIGE HOUSE
MOST SOFTWARE PRODOUTS
and near Schwarzpicho rates
and Schwarzpicho rates
and Camada, Schot the rest of
the world.

The publication is in neweletter format and printed with a very professional look. Too may write to:

ARTICLES

ARTICLES

T/JEFFE, COLMTEA, had FD-QL Software by AL Ferg Dub Swoger commenced that he has cortalogued shout 305-2164/Dpocture groupses in Man Parspools' Liberty, and Diver cover 80 hear of translationed unlike the 2067@petrum. It inst a question of how mach and/or out there for the beaute there for titles/programs for just about every consolvable spallestion from the essentially sundame to the mast contic.

Pains programs which was bundled with your Gt. and you can't find what you want in or "commercial" programs. The the dake to track it does in one of the PO disks.

At the present time, 7/8000°s PP-Gt library consists of the single CATO FOL SIDE.

region Christon Sec disk.

If you would like a copy of the
disk (for the current time),
and a G2.92 check made out to
All Fenry each you will quet to
Fin the course of the current time),
and a coupen lot 22.00 cm;
to coupen lot 22.00 cm;
for a coupen lot 22.00 cm;
for a coupen lot 32.00 cm;
for a coupen lot 22.00 cm;
either GUISTON or, a
future T/SETO FID disk [15 I'm;
either GUISTON pit disk

15 Waxe Robbin Court
Neodridge, TE 65517

If we ever get "Nose" disks,
then they will be swallable for
\$1.00 for the first disk; and,
\$2.00 for each unbesquent disk
\$2.00 for each unbesquent
\$2.00

If you are a group and want to congrabute a diskin, then you will receive "credits" against other disks (becaut); but, please don't volumest another group's diskin).

OSDY. This brings us to the

matter of the estensive QUANTA library ... If you are not familiar with QUANTA, it is the UK's (and therefore the world's) ordnery With "spologies" to key ferenton, et al. I work to finally! poblicty votce my diodalm for Paul bologies to ESCALL (to me) or Paul bologies to ESCALL (to me) or "PROS" ACCESS 1999 ESCALL (to me) or "Charge" \$3.50 per dioX despite the foot that I had my odding UL derven, and had the foot that I had my office of the software the foot that I had my office of the software despite my huring been a COMPAT member for Correpton years.

50- per cent of the software despite my having been a GONGYA member for four-plus years. As fax as I know, the 53,50 charge stands despite the fact that there is no longer a charge for the library NoTHE, you do have to be a GONTA member;

If you are a CUNNTA member (or, you have been thirking about joining so that you night ecquire the CUNNTA library, and you want "observe" scores to the library, than write to:

Boy Excretor
OCCUPTA Librarian

Clevedon, AVCH 8221 658 CHITZE XIMSOM and, ask him to appoint another North American bub-tilerarian. I suggested to R. Brereton that

a SECTION number would be not observed as the control of the contr

the a thomat are borned to be a considered to the considered to th

was quite defensive on behalf of Feal Debugger. I conspect that is is part because of Feal Bodogments "wintbbe" sittletion with 1800.

Hit you are as tired of the heaty-yearly with the COMPTA 12Ee/Nyl, and Don '1807' (800)

If you are as tired of the heaty-yearly with the COMPTA 12Ee/Nyl, and Don '1807' (800)

If you went access to the

If you want access to the GORNATA library at a lower prior, than write to Roy Recreton and votes your thoughts on the metter. The CL lives in North America as long was we all actively support it in a positive memory.

memoria.

If you want to let the CL in Borth America so commons than you don't have to do saysting.

If you wint to understor on the preceding [or, comment on saysthing almost tend under them. This space is about them. This space is seedlable for YOUN RESERVE.

AND CHARTTEN, TO YOU ...

RAPPINESS IS A CONVENTED
T/S 1016 HAM TEAT WORKS!

ANTHONY W. FARRILL

DATES TRAILS,

(This is an addition to the two part efficie in Time Designs suppairs in 1946 by Tim Scoodsard Editor) Do you remember that I was beeing trouble with the conversion of my 160 300, the

baring trouble with the conversion of my 168 200, the article was by Els Stoddard In as issue of of Time Design in a issue of of Time Design in E to have the converted SAM working occurrently. I finished assembling it about an hour map and gove it a test program to PORS O's and 250 to all the vell; I is seen a great a great to see it is seen a great to well; I is seen a great

feeling to have success under my belt. Thanks Don for all your help, and for the help from Fred Stern and from Fred Stern and the Stoddard. I do not think I told you that Tim Stodderd wrote to me and said that he had he had been very budy at work lately, He had been in the inchere field but had been moved to software and was in some kind of a learning curve, and so was very busy. The wrote out a special check list for me

to check out my NAM conversion. I went through it but it did not bely in my case. It seems that one of the outputs of the 7455157 was blown at least, I did not do too much checking when I found that blown gate. The 74L5333 was the most expensive chip at also found that I had left decoupling cap (.0874F)

connecting pin 7 of the DRAN's to ground. This made the wave form look skewed instead of the own. One thing that pursles me is that I thought the 18393 pin 3 (1981) would have toggled at the frequency of the clock irrut on pin 1. My Date book shows the LGB coing high end low at the input frequency but on every

stays high. We doubt I will find a logic person who will enlighten me. Also I was suxxled as to how the board worked as a 32K RAM with the SEE chips at the half-way stage, Then I remembered the hald that my BMM openeration

poor design of the board which messed up the timing of the SEFFECE cycle. I do know about panoseconds to allow size step "Minging") before the chip, but this pushes the cost end a cenerator to give the delay. This works in theory but the resistor used has a tolerwise of +/+ 5%, and the sure of, So the timing can be out by nore then 54, which troubles, especially when the board gets old and TO TIMELINES FOR 1 #2 July/Appart 1903 page 2 there is an article for a 64K Bus

construction which uses a

PEFFECH signed to applied. The

good design way of achtering this would be to use a theer

741874 flip-flop and other control signals to give the accurate way but is more I will get down to the other NAM board conversion in a few days. I am a little tired of my You may wonder why I am converting two SAM boards. Small, I intend to use my T/S 1000 for many years to come and they are ortino scarce. What that I can control 16t's I am laughing. Also I had two defective 16t FOM's, and instead of repairing them as

168's, I repaired then 645'0. Our Sincisir group here in Helbeurse is doing some summ are short of financial sembers at the noscot. The hall that alternatives have been discussed. We could drop back many people at the mostings to has Spectrums, QD's and so Amigs, Everyone laughs at the mention of my 1200 to I do not CASSIFFE LOAD/SAVE ROUTING AND PROBLEMS FOR THE 2X41 Compiled by Donald S. Lambert.

Consette then ear other mass storage medium on either the this is beaically about the EMS1 there are some of the

to the 19206s. I am trying to be as accurate we possible and if anyone has anything to contribute or suggestions or changes, please int me know. I found that I had far more

material than I realized and this will not fit into one large, so there will be norm Me will start with theory or at least a little theory so that you will know what the commuter is looking for when it is to LOAD. It may not make much

sense to all but does help to MACHINE LANGUAGE PROGRAMMENTO CO THE TIMEX/SINCLAIR 1500 AND

1000 (NWD ZMB1)" by David B; Chapter 15 starting page 135; TAFE ESCOUTSS What does a bit look like on a T/S tape? A bit is composed of a merico of 3,33 kilomerta pulses. It is high for 151

microseconds, so the total width (clayed time) of 300

when type LOAD is initiated, cassette irpot at 21

hit consists of a series of

A byte, as we all know, contains sight bits. The time

The inter-byte specing is virtually the case as the

hit is lost on tape reed, svery

the TV. That is why this tase tape at a higher rate: a little over 15 steroseconds. The sampling frequency, once a polse is detected, is about ten times the pulse width. An ideal nine or ten sequential high

followed by an equal number of low samples. The total number of sequential high, then low, then high, etc., are pulpes size low bits are accumulated, the bit is rejected as solve. If the

annumed to be a one bit. If more than 214 hits are

During the low state between pulses, the system will some unks sure that another pulse inter-bit owers of 1.5 millimenous is more than a necessary for the tape read to work. Thus the tipe rend/write about 10 percent by cutting one space. .

In spite of how it may appear to someone having topo reading problems, this tope read algorithm is quite insensitive to moderate distoction and to tape speed errors. The relative width of the high and low

quite a bit , since lost hits state. The error is 26 DOMEST SYNCERO-SETTE VOL. 1 #1 \$2071 1567

information and background noise may be picked up. The result of extreme high volume of the volume is too low, some if the program seems to have

loaded CE, the program will not nun properly. A proper load enough followed with (U/O) at bottom of the acreen. Amother factor that may affect has a NIGH and LOW frequency switch. Computer deta pulses are consistently of a high pitched frequency. This can be easily observed by unpluosing

the recorder and listenish to LOW position, the recorder is to the point where the program No volume adjustment in required when saving programs however. The recorder has a the volume that is being imported. It takes a second or is the reason who when you sawn programs, the screen pattern does not appear immediately. The computer is giving the volume level device in the recorder a change to reach the

News; now a program at the beginning of the tape unless it ending poetton made of nome mannente material. None will not hold computer data. Always make deplicate tapes. cornot over stress the importance of back-ups, especially when

If the program you are writing is long, a good procedure is to write about 10 lines and then nave 10 on one connection twice. Then write 10 more lines and save it again, but on o second type types. Ecc doing this procedure back and forth program is finished. This way, if the computes bomin, the power fails or it there is a ruclear siteck, the most you realize this can be ties consuming but there comes a

If a program was recorded from a computer other than your new or from computer dualitation equipment loads OK. but programs that were produced 1. The internal circuitry of sering of the progress is defective. This is not usually save can be recorded with various degrees of improver date poloes, Before blanker the

2. The computer and/or cassette noise from their Alternation Ourrent power sources in the form of power spikes. These are such es florescent flature

recorder that can be run by batteries, remove the AC power cord and insert the proper batteries. Write a short progres and then save it on make no difference if the recorder is on AC or DC when you are loading the program recorders may however, have a operating at a constant R76

If this does not belo, then the DC power input into the computer may be the culprit. There are different methods of achieving this. The problems may be the 9-VDC power supply NAY-O-WAC OF DUMACKLE \$1603. ORSERVE PROPER

POLARITY When using this nethod IMPROPER POLARITY WAY CAUSE DAMAGE TO THE COMPUTER.

you are saving a program necause it imparts no electrical imput to the computer. SOCAR SYSTEM PRYTCH Modified by Joan Sealy

Computers and Teachers subject. The subset of satronomy was selected because

terminology and factual

If you are an outroengineer, then pick your own subject, statements and plug in the chosen into base. After typing Century Comir Opera or reinforcement assures a solid expectise with an option to add

burnout too. New input to the SOLARS B1 1 CLS : FRINT ... 38

HENTER OF SCHALL PARTER. 2 RESTORE SES

Fortunately, the CRT (TV) does not have to be turned off while

4 PORCE VILL "23656" VAL "6"; 1000 DATE "APPROUNT PROH OF SU "100"): DIM BS CHIL "25", WAL "3 N'S 1 YE. TRIP THE THE STAR 20 FOR 1-90W PI TO WAL "25": S IS CHLED?", "HE LIPITE" MEAD AS(I), DS(I): MONT I 30 FOR J-SGR PI TO WAL *25* 1060 GATA "SEASEST STAR TO MART 35 LET X-INT (990-901 "25"1+ 3065 DATA "PROXIMA"S DISTANCE I H LIGHT YES, 5", "OVER 4" N LIGHT TALLY", TOWER 4" 40 FOR SHEEN DI TO VAL "25" AVELING IN COURT AMOUNT AMOUNT BY*. "HOWCLETTION" 50 IF X-Y(2) THUS OD TO WAL *35* 3075 DATE PERM USED NEED DOOR 60 SELLE - DELLE VE VI TURNING ON INTERPOL AXISTS, "NO TATION* 3000 DATA "MARTH IS PRETIER FRO H SUM IN JULY THAN JAM, BY M ILESP', "3 MILIZOF" JOSS DATA "EASTE'S EQUATOR EXTE TO THEFT OF LET CO-COUNTY AN AFER VAL "5"/ "FOO! SE RIGHT!": LI T TIXI-E: PAUSE WAL "180": GO T 1000 DATA "TILL OF EASTWIN AXI TH PRINT THE VIA "4"; PAPER V S FROM PERFENDIQUIARY", "21.5 DK SC+SGS PI: FAUSE VAL "180" WHETHE THEIR MILES MAY AT 12 MIS OB MENT?" "43,200 MONT 3100 DATA SO VACING PARCE VAL "5": "OUT O

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